# VALUE ENGINEERING CHANGE PROPOSAL MISSOURI DEPARTMENT OF TRANSPORTATION

	Date 09-23-2008
Contract ID 071130-201	Job No. J2P0770
County Macon/Randolph Route 63	Original Bid Cost \$2,148,371.85
Contractor Chester Bross Construction	By Jeff Gander / Dennis Brucks
Designed By MoDOT	Phone 660-385-3036
VECP VECP 08-78	VECP or VECP/PDU
1. Description of existing requirements and proposed cl	
This is a MoDOT originated VE proposal, which was accept approved at the central office level prior to the start of constitute final cost of any possible shoulder repair could be determined.	truction. The formal submittal was withheld until
This project was designed to place temporary two-way traffit to avoid possible damage to the SBL shoulders during const section of highway that has limited sight distance. The prop SBL under traffic with a single lane drop for the entire six-n for the construction of a temporary crossover as well as man The original design did not include Tubular Markers, but the way traffic option, so they were included in the cost savings additional Trim-Line Channelizers and Type 1 Temporary R traffic control items was increased due to the higher mainter Also, a lump sum item was added at a cost of \$7,500 to cove crew for traffic control maintenance.  The maximum projected savings for this proposal was \$79,5 with the contractor, any costs associated with repairing the S deducted from the savings prior to the 50/50 split. Fortunate were realized and will be split evenly.	cruction, and to avoid frequent lane drops on a bosed change is to perform the resurfacing of the mile length. This change would eliminate the need by traffic control items and temporary striping items. It markers would have been necessary for the two-scalculation. The proposed change required calculation. The proposed change required calculation and temporary striping items. The unit cost of the nance cost for these devices in a lane-drop situation. The additional cost of adding one laborer to the service of the additional cost of adding one laborer to the service shoulders that were damaged by traffic would be
<ul> <li>Estimate of reduction in construction costs. \$79,5</li> <li>Prediction of any effects the proposed change(s) will lead to the proposed change (s).</li> </ul>	594.24 have on other department costs, such as
maintenance and operations.	
None anticipated.	
4. Anticipated date for submittal of detailed change(s) o Specifications.	f items required by Section 104.6 of the
N/A	

5.	Deadline for issuing a change orde completion time or delivery schedu		ost reduction, no	ting the effect of contract
	N/A N/A	A		
	(date)		(effect)	
6.	Dates of any previous or concurren	nt submission of the sam	ie proposal.	
	_ N/	/A		
		(date and/or dates)	)	
Wε	ditional Comments: e feel that this proposed option, which cing temporary two-way traffic on the		ne entire length of	the SBL, is safer than
-	** Portion Bel	low This Line To Be Filled	d Out by MoDOT	' **
Co	mments: I recommend	approval of	this pr	oposal.
	Outton	7. Sander		9-23-08
		ed By Resident Engineer	r	Date
Thi	mments: s VE proposal was submitted to provice considered an added bonus.	de a higher degree of safe	ety in the work zo	one. Any savings realized
M	Approval Recommended	Zaul Th	les.	9/24/08
	Rejection Recommended	District Engineer	DIB	Date

Comments:	• • •	
	D 18 000	
Approval	Marid D. Gabres	10-6-08
Rejection	State Construction and Materials Engineer  OK DmG 9/26/2008	Date

Distribution:

Resident Engineer, Project Manager, District Operations Engineer, State Construction and Materials Engineer \*Value Engineering Administrator - \*MoDOT, P.O. Box 270, Jefferson City, MO 65102

## VE Proposal #1 - Construct SBL Under Traffic

Job No. : J2P0770

Contract Id.: 071130-201

### Savings

Line No.	Description	Units	Quantity	<b>Unit Price</b>	Total	Remarks
0010	Linear Grading Cl. 2	Sta.	2.6	\$2,770.00	\$7,202.00	
0020	Subgrade Compaction	Sta.	. 3	\$530.00	\$1,590.00	
0040	Type 1 Agg Base 4"	Sq. Yd.	800	\$6.50	\$5,200.00	
0070	BP-1	Ton	77.3	\$70.00	\$5,411.00	
0800	Bit Base	Ton	278.5	\$71.50	\$19,912.75	
0090	Tack	Gallon	40	\$1.70	\$68.00	
0130	Trim Line Channelizer	Each	150	\$12.60	\$1,890.00	
0120	Construction Signs	Sq. Ft.	2064	\$3.15	\$6,501.60	
0140	Type 3 Barricade	Each	43	\$175.00	\$7,525.00	
0200	Temp White Tape	Foot	1230	\$5.25	\$6,457.50	
0210	Temp Yellow Tape	Foot	2680	\$5.25	\$14,070.00	
0220	Temp 6" White Paint	Foot	45038	\$0.13	\$5,854.94	
0230	Temp 6" Yellow Paint	Foot	45038	\$0.13	\$5,854.94	
0270	Tape Removal	Foot	3910	\$0.21	\$821.10	
	Tubular Markers	Each	462	\$45.00	\$20,790.00	
Total					\$109,148.83	

### Costs

Line No.	Description	Units	Quantity	<b>Unit Price</b>	Total	Remarks
5001	Construction Signs	Sq. FT	1811	\$6.09	\$11,028.99	
5002	Trim Line Channelizer	Each	705	\$14.72	\$10,377.60	
5003	Type 1 TRPM	Each	720	\$0.90	\$648.00	Shoulder
5004	Flagger	Lump Sum	1	\$7,500.00	\$7,500.00	
5005	VE Payment	Each	39797.12	\$1.00	\$39,797.12	
Total					\$69,351.71	
Grand Tota	ıl				\$39,797.12	

# VALUE ENGINEERING CHECK SHEET

# TYPE OF WORK (Check one that applies) □ Bridge/Structure/Footings □ Drainage Structures (RCP, RCB, CMP's, etc.) ✓ TCP/MOT □ Paving (PCCP, etc.) □ Grading/MSE Walls □ Signal/Lighting/ITS □ Misc.

SUMMARY OF PROPOSAL  (If needed, condense summary to a couple of lines)	
Used lane drop on SBL instead of head to head traffic on NBL.	

	SCANNING OF DOCUMENT		
If the proposal is large, please mark or make note, which pages need to be scanned into the database. If there are special instructions, make note of them here.			